

Appl. No. 10/605,097  
Amdt. dated July 31, 2006  
Reply to Office action of May 11, 2006

**Amendments to the Claims:**

**Listing of Claims:**

Claim 1 (currently amended): A method for accessing a variable memory of an optical disk drive comprising the following steps:

- 5 (a) utilizing the optical disk drive to read data of an optical disk and identifying the type of the data;
- (b) if the type of the data is ~~CD~~ first optical disk data, ~~arranging storing~~ reading variables ~~from at~~ an initial address of the variable memory; and
- 10 (c) if the type of the data is ~~DVD~~ second optical disk data, ~~arranging storing~~ reading variables ~~from at~~ the initial address of the variable memory;  
wherein an arrangement of the variable memory is fixed.

Claim 2 (currently amended): The method of claim 1 wherein the ~~CD~~ first optical disk data type is CDDA, VCD, CD-ROM, CD-R, or CD-RW, and the ~~DVD~~ second optical disk data type is DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW, or DVD-RAM.

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Claim 3 (currently amended): The method of claim 1 wherein the reading variables in step (b) or (c) are related to content of the optical disk.

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Claim 4 (currently amended): The method of claim 1 wherein when the optical disk stores the reading ~~variables in~~ variables in step (b) or (c) in the variable memory, the reading ~~variables replace~~ variables replace reading variables of a last-inserted optical disk stored in the initial address of the variable memory.

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Claim 5 (currently amended): The method of claim 1 further comprising storing common reading variables necessary for the optical disk drive to access the optical disk into the variable memory, wherein the common reading ~~variables include~~ drive

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variables include drive configuration, status, or tray status.

Claim 6 (original): The method of claim 5 wherein the common reading variables stored in the variable memory will not be replaced.

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Claim 7 (original): An optical disk drive for performing the method of claim 1.

Claim 8 (currently amended): A method for accessing a variable memory of an optical disk drive comprising following steps:

- 10 (a) utilizing the optical disk drive to read data of a DVD and identifying the type of the data.;
- (b) if the type of the data is DVD-ROM data, ~~arranging~~ storing reading variables ~~from~~ at an initial address of the variable memory;
- 15 (c) if the type of the data is DVD-RAM data, ~~arranging~~ storing reading variables ~~from~~ at an initial address of the variable memory;
- wherein an arrangement of the variable memory is fixed.

20 Claim 9 (currently amended): The method of claim 8 wherein when the optical disk drive stores the reading variables in step (b) or (c) in the variable memory, the reading ~~variables replace~~ variables replace reading variables of a last-inserted disk stored in the ~~initial address~~ initial address in the variable memory.

25 Claim 10 (currently amended): The method of claim 8 further comprising storing common reading variables necessary for the optical disk drive to access the optical disk into the variable memory, wherein the common reading variables ~~includedrive~~ include drive configuration, status, or tray status.

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Claim 11 (currently amended): The method of claim 10 wherein the common reading variables stored in the variable memory will not ~~be replaced~~ be replaced.

Claim 12 (original): An optical disk drive for performing the method of claim 8.

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Claim 13 (currently amended): A method for accessing a variable memory of an optical disk drive comprising following steps:

(a) utilizing the optical disk drive to read and write data of an optical disk and identifying the type of the data;

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(b) if the type of the data is first recordable CD optical disk data, ~~arranging~~ storing writing variables ~~from at a first initialaddress~~ initial address of the variable memory; and

(c) if the type of the data is ~~DVD~~ second recordable optical disk data, ~~arranging~~ storing writing variables ~~from at the first initialaddress~~ initial address of the variable memory;

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wherein an arrangement of the variable memory is fixed.

Claim 14 (currently amended): The method of claim 13 wherein the first recordable CD optical disk data type is CD-R or CD-RW, and the ~~DVD~~ second recordable optical disk data type is DVD-R, DVD-RW, DVD+R, DVD+RW, or DVD-RAM.

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Claim 15 (currently amended): The method of claim 13 wherein when the optical disk drive stores the writing ~~variables in~~ variables in step (b) or (c) in the variable memory, the writing ~~variables replace~~ variables replace writing variables of a last-inserted optical disk stored in the first initial address in the variable memory.

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Claim 16 (currently amended): The method of claim 13 further comprising:

if the type of the data is first recordable ~~CD~~ optical disk data, arranging storing  
reading variables from a second ~~initial address~~ initial address of the variable  
memory; and

5 if the type of the data is ~~DVD~~ second optical disk data, arranging reading  
variables from the second ~~initial address~~ initial address of the variable memory.

Claim 17 (original): The method of claim 16 wherein the first and second initial addresses  
are different.

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Claim 18 (original): An optical disk drive for performing the method of claim 13.

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